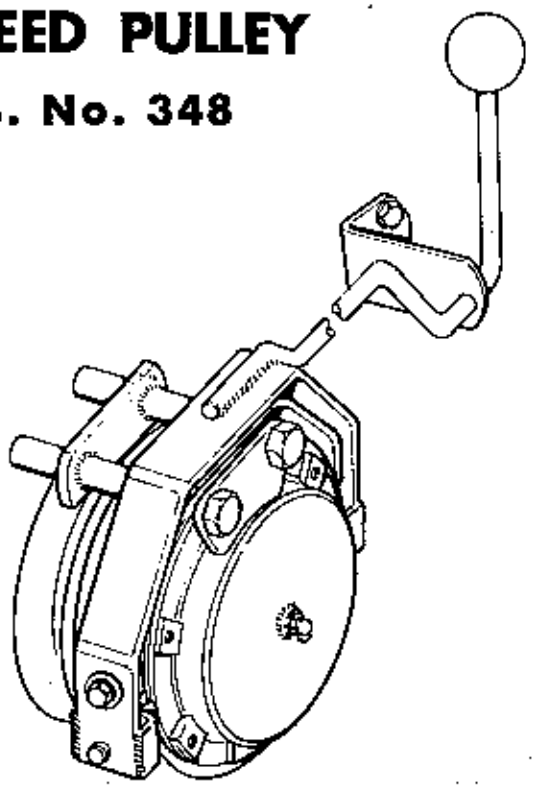
Simplicity®

TWO-SPEED PULLEY

Mfrs. No. 348



This two speed pulley can increase the effective operation of various attachments. It is designed to provide a direct drive which does not alter the existing tractor speeds. When engaged, speeds will be reduced to one third. THIS UNIT DOES NOT ALTER THE ATTACHMENT SPEED. The operator can change the tractor ground speeds without leaving the seat. This is done by the shift lever on the right side of the tractor.

This two speed pulley is particularly useful with the front mounted Snow blower and Snow Plow dozer blade. It is also useful with the rear mounted rotary tiller.

NOTE: This two speed pulley can also be installed on the 9 Hp. Landlord, 725 and 700 riding tractors. However it is necessary to cut 1" off of the pulley shaft. This can be conveniently done with a suitable instrument (saw) if the seat and transmission pulley is removed. Remove all burrs and metal shaving prior to installing this two speed pulley.

SPEED RANGES FOR LANDLORD 101

	STANDARD SPEEDS	*LOW RANGE SPEEDS*
First	*1.6 MPH*	*.5 MPH*
Second	*3.7*	*1.3*
Third	*6.1*	*2.2*
Reverse	*3.1*	*1.1*

OPERATION:

Engagement of the reduced speeds is done by the operator pushing the knob to the left. Push to the right for disengaging.

IMPORTANT: It is important the tractor transmission is stopped for changing ranges with the low speed pulley. Make sure the idler pulley is completely disengaged before the brake is applied. (This adjustment will be found in the tractor owners and operators manual.) This will eliminate the clashing of gears and prolong their life.

LUBRICATION:

Lubrication is applied at the factory. Prior to installation, remove set collar and pulley from gear assembly to determine if lubrication has been applied. After 100 hours of operation, remove capscrew from cover, insert the grease fitting which is shipped loose, and apply several shots of multi-purpose lithum-based type grease. Remove fitting and reinstall capscrew. IMPORTANT! DO NOT LEAVE GREASE FITTING INTO COVER ESPECIALLY WHEN USING TIRE CHAINS. SUBSEQUANT DAMAGE CAN RESULT. Apply a little grease on shift pivots before slipping them over shift ring.

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1 2 3 4 5 6 7 8 9 0
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PACKING

The two speed pulley is shipped in one carton. The grease (zerk) fitting is shipped loose in this package. All necessary hardware is included.

ASSEMBLY AND INSTALLATION:

1. Depress the clutch and brake pedal and apply the parking brake.
2. Remove the belt from the transmission pulley.
3. Remove the transmission pulley and key from the transmission shaft.
4. Place the drive belt around the transmission shaft close to the transmission case.
5. Install the two belt stop fingers as indicated in Figure 1.
6. Install the two-speed pulley key in place in the transmission shaft.
7. Attach the two-speed pulley and gear case to the transmission shaft. Place the drive belt around the pulley and loosen the parking brake. Align the two-speed pulley with the idler pulley and the bevel gear housing pulley.
8. Tighten the set screw on the key and then the other set screw 90° away.
9. Remove the clutch hand brake spring from the capscrew on the transmission.
10. Remove this capscrew from the transmission case and also the other upper capscrew from the transmission case.
11. Insert the two long studs into the vacant capscrew holes in the upper end of the transmission case. Put the shifter handle assembly in place on these two long studs, making sure that the two pivots are properly positioned over the outer rim of the shift-ring. Refer to Figure 3. Secure with hex nuts and lockwashers.
12. Remove the capscrew from the right side of the tractor frame above the parking brake. Use this screw to attach the shift lever bracket as shown in Figure 3. Align to permit proper movement of the shift lever and then tighten in place.
13. Secure all bolts and nuts tightly. Check the clearance between the belt and the belt-stop fingers. When the belt is engaged, the clearance should be 1/16".
14. Re-install the clutch and brake spring on bracket. Refer to Figure 1.
15. Make sure that the stop plate (Fig. 3) is positioned next to the two-speed pulley gear case. Approximately 1/16" clearance is required between the stop plate and cover. With this minimum clearance, the stop plate will lodge properly between the nuts.

NOTE: *For purposes of illustration only, the tractor is shown with the wheel removed. It is not necessary to remove wheel to install the two-speed pulley assembly.*

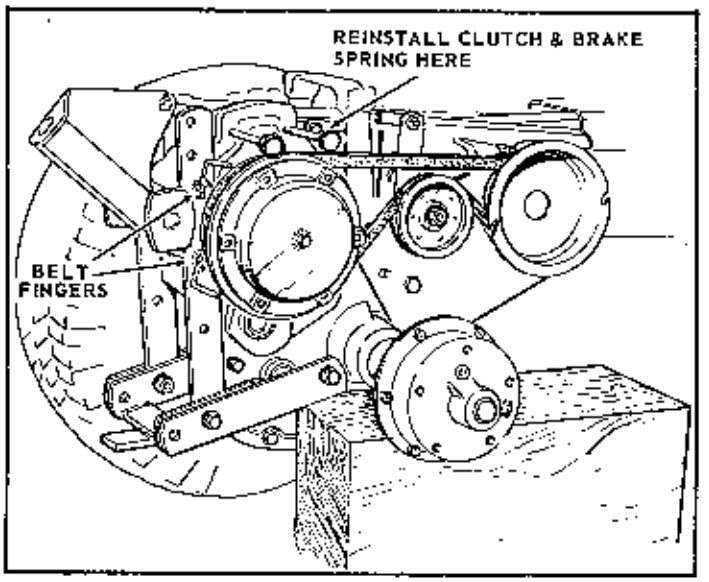


FIGURE 1

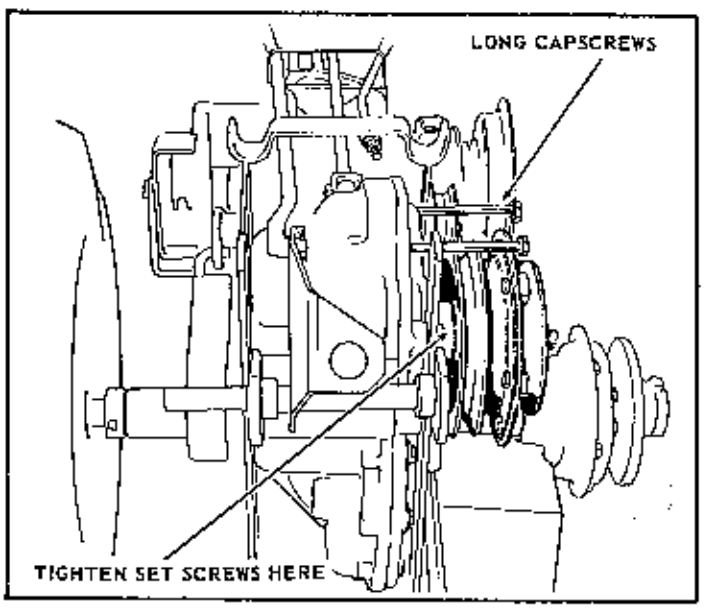


FIGURE 2

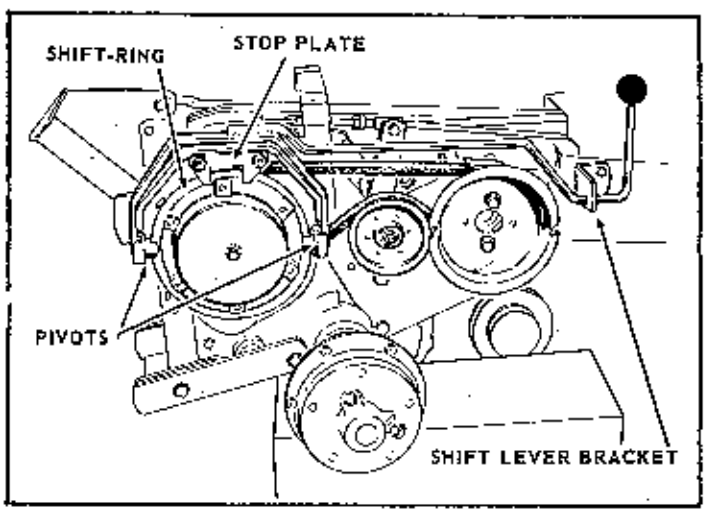
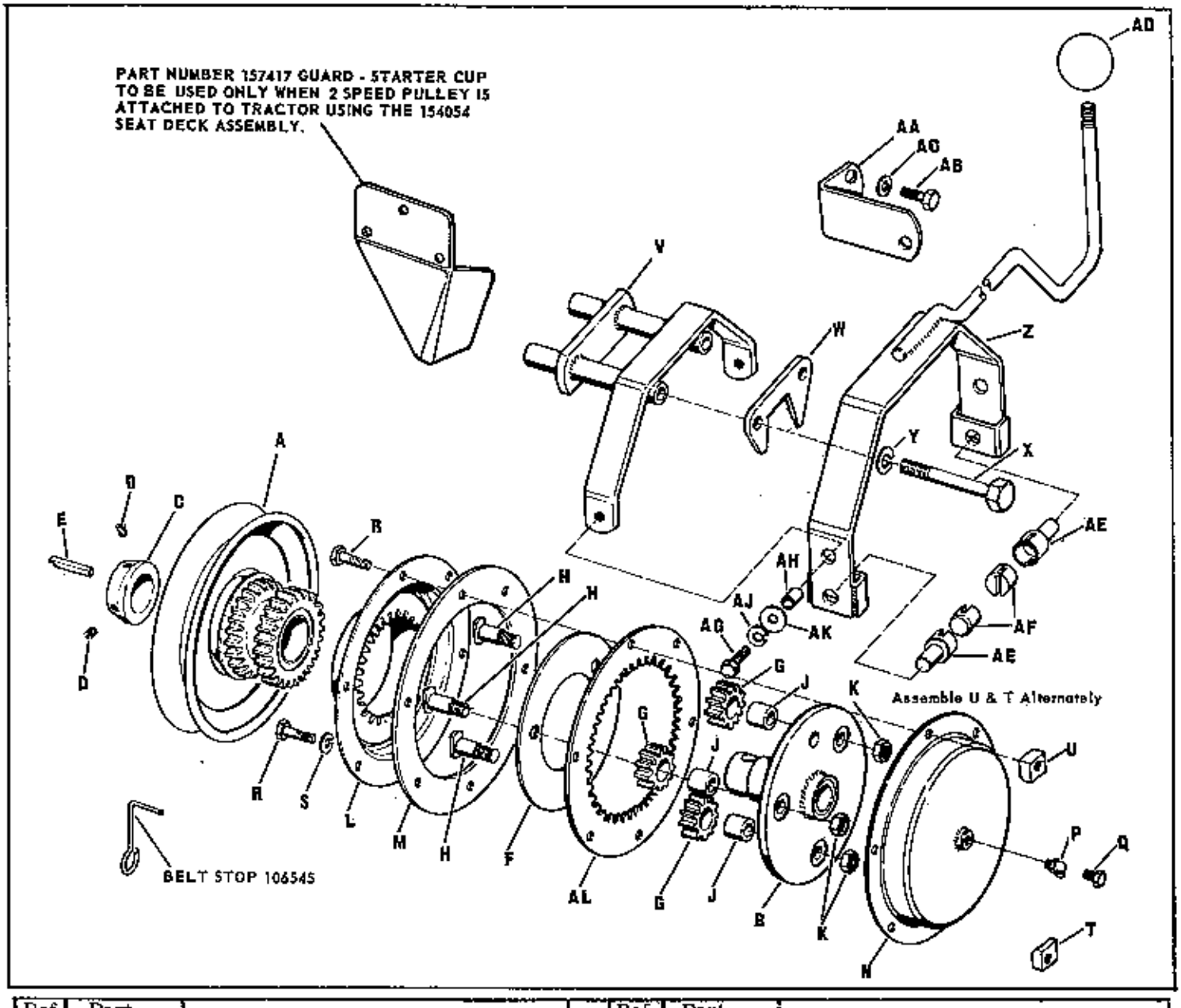


FIGURE 3


PART NUMBER 157417 GUARD - STARTER CUP TO BE USED ONLY WHEN 2 SPEED PULLEY IS ATTACHED TO TRACTOR USING THE 154054 SEAT DECK ASSEMBLY.
BELT STOP 106545
Assemble U & T Alternately

Ref. Let.	Part No.	Description		Ref. Let.	Part No.	Description
A	157322	Pulley & Gear Ass'y.		T	157365	Special Nut
B	157327	Spider & Brg. Ass'y.		U	157366	Special Nut
C	157331	Set Collar		V	157343	Support Ass'y, Shift
D	713504	Set Screw 5/16''-18 N.C. x 3/8''		W	157364	Stop
E	157332	Key		X	157347	Bolt
F	157333	Ring, Bolt		Y	720001	Lock Washer 5/16''
G	157335	Pinion		Z	157348	Fork Ass'y. Shift
H	157336	Pin		AA	157352	Support, Shift Rod
J	157337	Needle Bearing		AB	705021	Hex. Cap Screw 1/4''-20 N.C. x 1''
K	717511	Full Lock Nut, Hex., 5/16''-18 N.C.		AC	720003	Lock Washer, 1/4''
L	157338	Cover Ass'y. L.H.		AD	155044	Knob
M	157381	Shift Ring		AE	157353	Pivot
N	157340	Cover Ass'y R.H.		AF	157354	Bearing , Pivot
P	727004	Grease Fitting		AG	705030	Hex. Cap Screw 1/4''-20 N.C. x 3/4''
Q	706005	Hex., Cap Screw 1/4''-28 N.F. x 1/2		AH	123045	Spacers
R	715071	Hex Cap Screw 5/16''-18 N.C. x 5/8''		AJ	720003	Lock Washer, 1/4''
S	720001	Lock Washer 5/16''		AK	719006	Washer Plain 1/4''
				AL	157382	Gear Ring.